

A. Permit Certificate

**MUNICIPAL
WASTEWATER REUSE PERMIT
LA-000213-01
Bella Reve PUD**

The Reserve at Lake Cascade, LLC, LOCATED AT **6126 West State St., Boise ID 83703** IS HEREBY AUTHORIZED TO CONSTRUCT, INSTALL, AND OPERATE A WASTEWATER REUSE SYSTEM IN ACCORDANCE WITH THE WASTEWATER REUSE RULES (IDAPA 58.01.17) AND THE WASTEWATER RULES (IDAPA 58.01.16), THE GROUND WATER QUALITY RULE (IDAPA 58.01.11), AND ACCOMPANYING PERMIT, APPENDICES, AND REFERENCE DOCUMENTS. THIS PERMIT IS EFFECTIVE FROM THE DATE OF SIGNATURE AND EXPIRES ON **[60 months from final issuance date]**.

Pete Wagner
Boise Regional Office Administrator
Idaho Department of Environmental Quality

DRAFT

Date

**DEPARTMENT OF ENVIRONMENTAL QUALITY
Boise Regional Office
1445 N Orchard, Boise ID 83709-2239
(208) 373-0550**

POSTING ON SITE RECOMMENDED

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1. Environmental Monitoring Serial Numbers
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1. Plan of Operation (required under Compliance Activity No. CA-213-01)
2. Runoff Management Plan (required under Compliance Activity No. CA-213-04)
3. Waste Solids Management Plan (required under Compliance Activity No. CA-213-05)
4. Operator Education Plan (required under Compliance Activity No. CA-213-06)

The Sections, Appendices, and Reference Documents listed on this page are all elements of Wastewater Reuse Permit LA-000213-01 and are enforceable as such. This permit does not relieve The Reserve at Lake Cascade, LLC, hereafter referred to as the permittee, from responsibility for compliance with other applicable federal, state or local laws, rules, standards or ordinances.

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C. Abbreviations, Definitions

Ac-in	Acre-inch. The volume of water or wastewater to cover 1 acre of land to a depth of 1 inch. Equal to 27,154 gallons.
BMP or BMPs	Best Management Practices
COD	Chemical Oxygen Demand
DEQ or the Department	Idaho Department of Environmental Quality
Director	Director of the Idaho Department of Environmental Quality, or the Directors Designee, i.e. Regional Administrator
ET	Evapotranspiration – Loss of water from the soil and vegetation by evaporation and by plant uptake (transpiration)
GS	Growing Season
GW	Ground Water
GWQR	IDAPA 58.01.11 “Ground Water Quality Rule”
Guidance	Guidance for Reclamation and Reuse of Municipal and Industrial Wastewater, DEQ.
HLRgs	Growing Season Hydraulic Loading Rate. Includes any combination of wastewater and supplemental irrigation water applied to reuse hydraulic management units during the growing season. The HLRgs limit is specified in Section F. Permit Limits and Conditions.
HLRngs	Non-Growing Season Hydraulic Loading Rate. Includes any combination of wastewater and supplemental irrigation water applied to each hydraulic management unit during the non-growing season. The HLRngs limit is specified in Section F. Permit Limits and Conditions.
HMU	Hydraulic Management Unit (Serial Number designation is MU)
IWR	<p>Irrigation Water Requirement – Any combination of wastewater and supplemental irrigation water applied at rates commensurate to the moisture requirements of the crop, and calculated monthly during the growing season (GS). Calculation methodology for the IWR can be found at the following website: http://www.kimberly.uidaho.edu/water/appndxet/index.shtml. The equation used to calculate the IWR at this website is:</p> $IWR = (CU - P_e) / E_i$ <p>CU is the monthly consumptive use for a given crop in a given climatic area. CU is synonymous with crop evapotranspiration</p> <p>P_e is the effective precipitation. CU minus P_e is synonymous with the net irrigation requirement (IR)</p> <p>E_i is the irrigation system efficiency. To obtain the gross irrigation water requirement (IWR), divide the IR by the irrigation system efficiency.</p>
IDAPA	Idaho Administrative Procedures Act.

C. Abbreviations, Definitions

LG	Lagoon
lb/ac-day	Pounds (of constituent) per acre per day
MG	Million Gallons (1 MG = 36.827 acre-inches)
MGA	Million Gallons Annually (per WLAP Reporting Year)
NGS	Non-Growing Season – Typically November 01 through March 31 (151 days)
NVDS	Non-Volatile Dissolved Solids (i.e. Total Dissolved Solids less Volatile Dissolved Solids)
O&M manual	Operation and Maintenance Manual, also referred to as the Plan of Operation
Point of Compliance	That point in the reclamation and reuse facility where the reclaimed wastewater must meet the requirements of the permit. There may be more than one (1) point of compliance within the facility depending on the constituents to be monitored.
Reuse	The use of reclaimed wastewater for beneficial uses including, but not limited to, land treatment, irrigation, aquifer recharge, use in surface water features, toilet flushing in commercial buildings, dust control, and other uses.
Reuse Reporting Year	The reporting year begins with the non-growing season and extends through the growing season of the following year, typically November 01 – October 31. For example, the 2000 Reporting Year was November 01, 1999 through October 31, 2000.
SAR	Sodium Absorption Ratio
SI	Supplemental Irrigation water applied to the reuse treatment site.
Soil AWC	Soil Available Water Holding Capacity - the water storage capability of a soil to a depth at which plant roots will utilize (typically 60 inches or root limiting layer)
SMU	Soil Monitoring Unit (Serial Number designation is SU)
SW	Surface Water
TDS	Total Dissolved Solids or Total Filterable Residue
TDIS	Total Dissolved Inorganic Solids – The summation of chemical concentration results in mg/L for the following common ions: calcium, magnesium, potassium, sodium, chloride, sulfate, and 0.6 times alkalinity (alkalinity expressed as calcium carbonate). Nitrate, Silica and fluoride shall be included if present in significant quantities (i.e. > 5 mg/L each).
TMDL	Total Maximum Daily Load – The sum of the individual waste-load allocations (WLA's) for point sources, Load Allocations (LA's) for non-point sources, and natural background. Such load shall be established at a level necessary to implement the applicable water quality standards with seasonal variations and a margin of safety that takes into account any lack of knowledge concerning the relationship between effluent limitations and water quality. IDAPA 58.01.02 <i>Water Quality Standards and Wastewater Treatment Requirements</i>
Typical Crop Uptake	Typical Crop Uptake is defined as the median constituent crop uptake from the three (3) most recent years the crop has been grown. Typical Crop Uptake is determined for each hydraulic management unit. For new crops having less than three years of on-site crop uptake data, regional crop yield data and typical nutrient content values, or other values approved by DEQ may be used.
USGS	United States Geological Survey
WW	Wastewater applied to the reuse treatment site

D. Facility Information

Legal Name of Permittee	The Reserve at Lake Cascade, LLC and Kristen Van Engelen (Bella Reve Planned Unit Development)
Type of Wastewater	Class A Municipal Wastewater
Method of Treatment	Membrane Bioreactor: Primary screening, anoxic and pre-aeration basins, membrane filtration, UV disinfection.
Method of Reuse	Ground water recharge basin and landscape irrigation.
Type of Facility	Private
Facility Location	Unincorporated Valley County, south of Donnelly, ID. Mailing Address: 6126 West State Street, Boise, ID 83703
Legal Location	Township 15 North, Range 3 East, Sections 3, 4, 9, and 10.
County	Valley
USGS Quad	Donnelly
Soils on Site	0-3.5 feet silty soil underlain by interbedded layers of sand with gravel and clayey silt.
Depth to Ground Water	0-35 ft bgs
Beneficial Uses of Ground Water	Domestic, Agriculture
Nearest Surface Water	Lake Cascade and Gold Fork River
Beneficial Uses of Surface Water	Cascade Reservoir and Gold Fork River: Domestic and agricultural water supply, cold water biota, salmonid spawning, primary and secondary contact recreation. Gold Fork River is also listed as a special resource water.
Responsible Official Mailing Address	Kristen Van Engelen The Reserve at Lake Cascade, LLC 6126 West State Street, Boise, ID 83703
Phone / Fax	208-866-5727, 208-287-8800 (fax)

E. Compliance Schedule for Required Activities

The Activities in the following table shall be completed on or before the Completion Date unless modified by the Department in writing.

Compliance Activity Number Completion Date	Compliance Activity Description
<p style="text-align: center;">CA-213-01 Plan of Operation</p> <p>Detailed Plan of Operation due at 50% completion of construction of reuse facilities</p> <p>Updated Plan of Operation due 60 days after one complete year of operation of reuse facilities</p>	<p>A Plan of Operation (Operation and Maintenance Manual or O&M Manual) for the wastewater treatment and reuse facilities, incorporating the requirements of this permit, shall be submitted to DEQ for review and approval. The Plan of Operation shall be designed for use as an operator guide for actual day-to-day operations to meet permit requirements and ensure proper operation of the wastewater treatment and reuse facility.</p> <p>At a minimum, the Plan of Operation shall specifically address the following items:</p> <ul style="list-style-type: none"> • All sampling, monitoring and reporting requirements of this permit. • A description of approved sample collection methods, appropriate analytical methods, and companion quality control/assurance (QA/QC) protocols. • Operating procedures for periods of shutdown and low flows to the wastewater treatment and reuse system. • Operating procedure for when off-specification effluent is produced and the redundant storage capacity must be used. • Operating specifications for UV lamps to ensure that the required viral inactivation is being met. State exactly how the operator ensures that the required viral inactivation is being met, and what alarm system is in place to alert the operator of a problem with disinfection. • Specific design considerations, operation and maintenance procedures, and management practices to be employed to minimize the potential for and limit odors. The plan shall also include procedures to respond to an odor incident if one occurs, including notification procedures. • Anticipated maintenance necessary to ensure continuous operating capacity of the groundwater recharge basin. • Procedures for protection of wetlands and surface waters from reuse water runoff or irrigation. • Procedure for monitoring the level of water in the recharge basin, and the method of anticipating when overflow of the recharge basin to the onsite water bodies may occur, preventative procedures, and reporting requirements. <p>Refer to Appendix A.12 of the Guidance for Reclamation and Reuse of Municipal and Industrial Wastewater for a Plan of Operation checklist, and address all relevant items in the checklist.</p>

E. Compliance Schedule for Required Activities

<p>CA-213-02 Plans and Specifications for Proposed Reuse Systems</p> <p>Prior to construction and/or application of wastewater</p>	<p>Submit plans and specifications for all proposed reuse systems for DEQ review and approval prior to application of any wastewater. The reuse system includes the treatment plant, all transmission lines, application areas, and the recharge basin. The plans shall clearly delineate the relation of reuse water distribution lines to sewer collection and drinking water distribution lines.</p> <p>In public areas, exterior drinking fountains, picnic tables, food establishments, and other public eating facilities shall be shown and called out on the construction plans, or specifically stated that none exist, and shall be placed out of any spray irrigation area where reuse water is used.</p>
<p>CA-213-03 Scaled Site Map</p> <p>60 days after completion of construction of each phase of the reuse areas</p>	<p>A scaled site map delineating homes, public access areas, wells, streams/canals, water bodies, wetlands, and any BMPs constructed in conjunction with the runoff management plan, and the actual locations and areas of the recharge basin and each wastewater reuse area. Site Maps shall be supplied by the permittee and shall include at a minimum the requirements of IDAPA 58.01.17.300.05.e.</p>
<p>CA-213-04 Runoff Management Plan</p> <p>Prior to applying wastewater at site</p>	<p>Submit a Runoff Management Plan with control structures and other Best Management Practices (BMPs) (e.g. collection basins, berms, etc.) designed to prevent runoff from any site or fields used for wastewater reuse to property not owned by The Reserve at Lake Cascade, LLC except in the event of a 25-year, 24-hour storm event or greater, using Western Regional Climate Center (WRCC) Precipitation Frequency Map, Figure 28 'Isopluvials of 25-YR, 24-HR Precipitation'.</p> <p>Upon approval of the plan by DEQ, The Reserve at Lake Cascade, LLC shall implement the runoff management plan, and shall construct, operate, and maintain the control structures and other BMPs in accordance with the plan.</p>
<p>CA-213-05 Waste Solids Management Plan</p> <p>Prior to any application or disposal of waste solids from the treatment or reuse facilities</p>	<p>Submit a Waste Solids Management Plan to DEQ for review and approval. The plan shall describe how waste solids generated at the facility will be handled and disposed of to meet the requirements of Section I, No. 5 of this permit.</p>
<p>CA-213-06 Operator Education Plan</p> <p>Prior to first sale of home/land.</p>	<p>Submit an Operator Education Plan to DEQ for review and approval. The plan shall describe how the requirements of IDAPA 58.01.17.601.08.g. will be met. The Utility User Agreement shall be included in the submitted plan.</p>

Following approval of the Plans required by the Compliance Activities, these Plans will be included as References to this Permit, and shall be enforceable as part of this Permit.

F. Permit Limits and Conditions

The Permittee is allowed to apply wastewater and treat it on a reuse site as prescribed in the tables below and in accordance with all other applicable permit conditions and schedules.

Category	Permitted Limits and Conditions
Type of Wastewater	Class A Municipal Wastewater
Landscape Application Season:	
Growing Season (GS)	April 1 to September 30
Non-Growing Season (NGS)	No landscape irrigation during non-growing season.
Reporting Year for Annual Loading Rates	January 1 to December 31.
Irrigation Scheduling	Effluent for residential and public irrigation shall be applied only during periods of non-use by the public.
Wastewater Treatment System Effluent Maximum Concentration Limits:	
Coliform	The median number of total coliform organisms shall not exceed 2.2 CFU per 100 milliliters and shall not exceed 23 CFU per 100 milliliters in any confirmed sample, as determined from the bacteriological results of the last 7 days for which the analyses have been completed.
Turbidity	The daily arithmetic mean of all daily measurements shall not exceed 0.2 NTU, and turbidity shall not exceed 0.5 NTU at any time. Turbidity measurements shall be taken post-filtration and pre-disinfection.
BOD ₅	Five-day Biochemical Oxygen Demand (BOD ₅) shall not exceed 5 mg/L based on a monthly arithmetic mean as determined by weekly composite sampling.
pH	The pH as determined by daily grab samples or continuous monitoring shall be between 6.0 and 9.0 inclusive.
Total Nitrogen	Total Nitrogen (TKN + Nitrate-N + Nitrite-N) shall not exceed 10 mg/L based on monthly arithmetic mean of weekly composite samples.
Phosphorus	Total Phosphorus shall not exceed 0.1 mg/L based on monthly arithmetic mean of weekly composite samples.

F. Permit Limits and Conditions

Redundancy	<p>Automatic activation of the redundant system shall occur if turbidity exceeds 0.5 NTU for more than five minutes, or if the disinfection system is not achieving the required 5-log removal/inactivation of virus for more than five minutes. The redundant system shall meet all requirements of IDAPA 58.01.16.601.07.</p> <p>Use of the redundancy system shall be reported in accordance with Section I of this permit.</p>
Runoff	The permittee shall manage the reuse sites in accordance with an approved Runoff Management Plan, required by Compliance Activity No. CA-213-04.
Ground Water Quality	Wastewater reuse activities conducted by the permittee shall not cause a violation of the <i>Idaho Ground Water Quality Rule</i> IDAPA 58.01.11.
Construction Plans	Prior to construction or modification of all wastewater facilities associated with the reuse system or expansion, detailed plans and specifications shall be reviewed and approved by DEQ. Within 30 days of completion of construction, the permittee shall submit as-built plans to DEQ for review and approval.
Posting and Identification	<p>Requirements for posting and identification are located in IDAPA 58.01.17.601.02 of the <i>Reclamation & Reuse of Municipal & Industrial Wastewater Rules</i>.</p> <p>Where reclaimed water is stored or impounded, or used for irrigation in public areas, warning signs* shall be posted at a minimum of 500 foot intervals and at the entrance if there is a surrounding fence, or if there is no fence, at 250 foot intervals or at all accessible points.</p> <p>All exposed and above ground piping, risers, fittings, pumps, valves, etc. shall be painted purple, Pantone 512. In addition, all piping shall be identified using an accepted means of labeling reading “Warning: Reclaimed Water – Do Not Drink” in both Spanish and English lettering. In a fenced pump station area, signs shall be posted on the fence on all sides.</p> <p>*Warning signs should read “Warning: Reclaimed Wastewater – Do No Drink” or equivalent in both Spanish and English lettering, and shall have, at a minimum, 1 inch purple letters (Pantone 512 or equivalent) on a white or other high contrast background (or purple background with white or other high contrast lettering).</p>
Supplemental Irrigation Water Supply and Protection	<p>Wastewater and supplemental irrigation water interconnections shall be equipped with DEQ-approved backflow prevention devices for the protection of supplemental irrigation water sources.</p> <p>Wastewater effluent may be mixed with other irrigation water in an unlined pond and may then be used for permitted Class A uses.</p>

F. Permit Limits and Conditions

Buffer Zone Distances	<p>Drinking fountains, picnic tables, food establishments, and other public eating facilities shall be placed out of any spray irrigation area in which effluent is used, or shall be otherwise protected from contact with the effluent.</p> <p>The treatment facility design and construction shall comply with the setback distance rules in the Wastewater Rules, IDAPA 58.01.16.450.</p>
Odor Management	<p>The wastewater treatment plant, reuse facilities, and other operations associated with the facility shall not create a public health hazard or nuisance conditions, including odors. Odor shall be managed in accordance with the approved Plan of Operation, required by Compliance Activity No. CA-213-01.</p>
Wastewater Treatment and Reuse System Operation	<p>The wastewater treatment facility and recharge basin shall be operated by personnel certified and licensed in the State of Idaho wastewater operator training program at the operator class level specified in IDAPA 58.01.16.203 of the <i>Wastewater Rules</i>, and properly trained to operate and maintain the system. Operation of the wastewater treatment system shall be monitored on a 24-hour basis for alarm conditions, including notification of the qualified operating personnel under alarm conditions.</p>
Distribution System Operator Requirements	<p>Requirements for distribution system operators are located in IDAPA 58.01.17.601.08.g of the <i>Reclamation & Reuse of Municipal & Industrial Wastewater Rules</i>.</p> <p>All operators of Class A effluent distribution systems, including home occupants, who utilize a combination of Class A effluent and other irrigation waters shall be required to sign a utility user agreement provided by the utility providing the Class A effluent. The user agreement shall state that the user understands the origin of the effluent and the concept of agronomic rate for applying the Class A effluent. The provider of the Class A effluent shall undertake a public education program within its service area to teach potential customers the benefits and responsibilities of using Class A effluent.</p>

G. Monitoring Requirements

- 1) Appropriate analytical methods, as given in the *Guidance for Reclamation and Reuse of Municipal and Industrial Wastewater* or as approved by the Idaho Department of Environmental Quality (hereinafter referred to as DEQ), shall be employed. A description of approved sample collection methods, appropriate analytical methods and companion QA/QC protocol shall be included in the Plan of Operation, as required by Compliance Activity No. CA-213-01 in Section E of this permit.
- 2) The permittee shall monitor and measure parameters as stated in the Facility Monitoring Table in this section.
- 3) Samples shall be collected at times and locations that represent typical environmental and process parameters being monitored.
- 4) Monitoring is required at the frequency shown in the table below if wastewater is applied anytime during the time period shown. Unless otherwise agreed in writing by the DEQ, data collected and submitted shall include, but not be limited to, the parameters and frequencies in the Facility Monitoring Table as follows.
- 5) Ground water monitoring wells shall be purged a minimum of three casing volumes, or until field measurements for pH, specific conductance and temperature meet the following conditions: two successive temperature values measured at least five minutes apart are within one degree Celsius of each other, pH values for two successive measurements measured at least five minutes apart are within 0.2 units of each other, and two successive specific conductance values measured at least five minutes apart are within 10% of each other. This procedure will determine when the wells are suitable for sampling for constituents required by the permit. Other procedures, such as low flow sampling, may be considered by DEQ for approval. The static water level shall be measured prior to pumping or sampling for ground water.
- 6) Annual reporting of monitoring requirements is described in Section H, Standard Reporting Requirements.
- 7) When the owner of a domestic or private well refuses to grant permission to sample their well, provide documentation of the attempt gain permission to sample in lieu of the sampling data in the annual report.

Facility Monitoring Table

Frequency	Monitoring Point	Description and Type of Monitoring	Parameters
Continuously	After final filtration and prior to disinfection, WW-1	In-line continuously monitoring and recording turbidimeter	Turbidity
Record Daily Report 'Monthly Total' and 'Average Daily' Flow	Point of Compliance, WW-2	Volume of Effluent from Treatment Plant to Recharge Basin	Gallons/day
Record Daily during the Growing Season Report 'Monthly Total' and 'Average Daily' Flow	Irrigation Flow Meter, WW-3	Volume of Flow to Landscape Irrigation	Gallons/day
Daily	Point of Compliance, WW-2	Grab Sample	Total Coliform
Daily	Point of Compliance, WW-2	Grab Sample or Continuous Monitoring	pH
Weekly	Point of Compliance, WW-2	Composite Sample	BOD ₅ , Total Nitrogen, Total Phosphorus, TSS
Monthly during Growing Season	Irrigation Pump, WW-3	Grab Sample	Total Nitrogen, Total Phosphorus

G. Monitoring Requirements

Frequency	Monitoring Point	Description and Type of Monitoring	Parameters
Monthly	Recharge Basin	Volume Calculation	The volume of water and the volume of available storage in the basin.
Annually in April and October	MW-1	Grab sample from the Daystar Conference Center well (with well owner's permission) (See note 5 and 7)	Specific Conductivity, Total Dissolved Solids (TDS), Nitrite + Nitrate Nitrogen, Total Phosphorus, Static Water Level
Annually	All flow measurement locations.	Flow measurement calibration of all flows.	Document the flow measurement calibration of all flow meters and pumps used directly or indirectly measure all wastewater, tail water, flushing water, and supplemental irrigation water flows applied to each HMU.
Annually	All supplemental irrigation pumps directly connected to the wastewater distribution system.	Backflow testing	Document the testing of all backflow prevention devices for all supplemental irrigation pumps directly connected to the wastewater distribution system(s). Report the testing date(s) and results of the test (pass or fail). If any test failed, report the date of repair or replacement of backflow prevention device, and if the repaired/replaced device is operating correctly.
Intermittent	Overflow Weir	Report	Report when overflow weir has been used and reuse water has overflowed to the adjacent water body.
April of first and last year of permit	Any domestic wells within ¼ mile of all reuse acreage.	Grab sample from domestic wells (with well owner's permission) (See note 5 and 7).	Specific Conductivity, Total Dissolved Solids (TDS), Nitrite + Nitrate Nitrogen, Total Phosphorus, Static Water Level

H. Standard Reporting Requirements

1. The permittee shall submit an Annual Wastewater Reuse Site Performance Report ("Annual Report") prepared by a competent environmental professional no later than **March 30** of each year which shall cover the previous year (see section F for reuse reporting period). The Annual Report shall include results for monitoring required in Section G, status of compliance activities, and an interpretive discussion of monitoring data (ground water, vadose zone, hydraulic loading, wastewater etc.) with particular respect to environmental impacts by the facility.
2. The annual report shall contain the results of the required monitoring as described in Section G. Monitoring Requirements. If the permittee monitors any parameter more frequently than required by this permit, the results of this monitoring shall be included in the calculation and reporting of the data submitted in the annual report.
3. The annual report shall be submitted to the Engineering Manager at the following address.

Boise Regional Office
1445 N. Orchard
Boise, ID 83706-2239
208-373-0550

A copy of the annual report shall also be mailed to:

Richard Huddleston, P.E.
Wastewater Program Manager
1410 N. Hilton
Boise, ID 83706
208-373-0561

4. Notice of completion of any work described in Section E. Compliance Schedule for Required Activities shall be submitted to the Department within 30 days of activity completion. The status of all other work described in Section E shall be submitted with the Annual Report.
5. All laboratory reports containing the sample results for monitoring required by Section G. Monitoring Requirements of this permit shall be submitted with the Annual Report.

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I. Standard Permit Conditions: Procedures and Reporting

1. The permittee shall at all times properly maintain and operate all structures, systems, and equipment for treatment, operational controls and monitoring, which are installed or used by the permittee to comply with all conditions of the permit and the Wastewater Reuse Permit Regulations, in conformance with a DEQ approved, current Plan of Operations (Operations and Maintenance Manual) which describes in detail the operation, maintenance, and management of the wastewater treatment system. This Plan of Operations shall be updated as necessary to reflect current operations.
2. Wastewater(s) or recharge waters applied to the land surface must be restricted to the premises of the application site. Wastewater discharges to surface water require a permit under the Clean Water Act and must be authorized by the U.S. Environmental Protection Agency.
3. Wastewater must not create a public health hazard or nuisance condition as stated in IDAPA 58.01.16.600.03. In order to prevent public health hazards and nuisance conditions the permittee shall:
 - a. Apply wastewater as evenly as practicable to the treatment area;
 - b. Prevent organic solids (contained in the wastewater) from accumulating on the ground surface to the point where the solids putrefy or support vectors or insects; and
 - c. Prevent wastewater from ponding in the fields to the point where the ponded wastewater putrefies or supports vectors or insects.
4. The permittee shall
 - a. Manage the wastewater reuse site as an agronomic operation where vegetative cover is grown and harvested or grazed to utilize the nutrients and minerals in the wastewater, and,
 - b. Not hydraulically overload any particular areas of the wastewater reuse site.
5. All waste solids, including dredgings and sludges, shall be utilized or disposed in a manner which will prevent their entry, or the entry of contaminated drainage or leachate therefrom, into the waters of the state such that health hazards and nuisance conditions are not created; and to prevent impacts on designated beneficial uses of the ground water and surface water. The permittee's management of waste solids shall be governed by the terms of the DEQ approved Waste Solids Management Plan, which upon approval shall be an enforceable portion of this permit.
6. If the permittee intends to continue operation of the permitted facility after the expiration of an existing permit, the permittee shall apply for a new permit at least six months prior to the expiration date of the existing permit in accordance with the Wastewater Reuse Permit Regulations and include seepage tests on all lagoons per latest DEQ procedures.
7. The permittee shall allow the Director of the Idaho Department of Environmental Quality or the Director's designee (hereinafter referred to as Director), consistent with Title 39, Chapter 1, Idaho Code, to:
 - a. Enter the permitted facility,
 - b. Inspect any records that must be kept under the conditions of the permit.
 - c. Inspect any facility, equipment, practice, or operation permitted or required by the permit.
 - d. Sample or monitor for the purpose of assuring permit compliance, any substance or any parameter at the facility.
8. The permittee shall report to the Director under the circumstances and in the manner specified in this section:
 - a. In writing thirty (30) days before any planned physical alteration or addition to the permitted facility or activity if that alteration or addition would result in any significant change in information that was submitted during the permit application process.
 - b. In writing thirty (30) days before any anticipated change which would result in non-compliance with any permit condition or these regulations.
 - c. Orally within twenty-four (24) hours from the time the permittee became aware of any non-compliance which may endanger the public health or the environment at telephone numbers provided in the permit by the Director (see below)

DEQ Regional Office: see Permit Certification Page
Emergency 24 Hour Number 1-800-632-8000

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I. Standard Permit Conditions: Procedures and Reporting

- d. In writing as soon as possible but within five (5) days of the date the permittee knows or should know of any non-compliance unless extended by the DEQ. This report shall contain:
 - i. A description of the non-compliance and its cause;
 - ii. The period of non-compliance including to the extent possible, times and dates and, if the non-compliance has not been corrected, the anticipated time it is expected to continue; and
 - iii. Steps taken or planned to reduce or eliminate reoccurrence of the non-compliance.
 - e. In writing as soon as possible after the permittee becomes aware of relevant facts not submitted or incorrect information submitted, in a permit application or any report to the Director. Those facts or the correct information shall be included as a part of this report.
9. The permittee shall take all necessary actions to prevent or eliminate any adverse impact on the public health or the environment resulting from permit noncompliance.
10. The permittee shall determine (on an on-going basis) if any noxious weed problems relate to the permitted sites. If problems are present, coordinate with the Idaho Department of Agriculture or the local County authority regarding their requirements for noxious weed control. Also address these control operations in an update to the Operations and Maintenance Manual.

J. Standard Permit Conditions: Modifications, Violations, and Revocations

1. The permittee shall furnish to the Director within reasonable time, any information including copies of records, which may be requested by the Director to determine whether cause exists for modifying, revoking, re-issuing, or terminating the permit, or to determine compliance with the permit or these regulations.
2. Both minor and major modifications may be made to this permit as stated in IDAPA 58.01.17.700.01 and 02 with respect to any conditions stated in this permit upon review and approval of the DEQ.
3. Whenever a facility expansion, production increase or process modification is anticipated which will result in a change in the character of pollutants to be discharged or which will result in a new or increased discharge that will exceed the conditions of this permit, or if it is determined by the DEQ that the terms or conditions of the permit must be modified in order to adequately protect the public health or environment, a request for either major or minor modifications must be submitted together with the reports as described in I. *Standard Reporting Requirements*, and plans and specifications for the proposed changes. No such facility expansion, production increase or process modification shall be made until plans have been reviewed and approved by the DEQ and a new permit or permit modification has been issued.
4. Permits shall be transferable to a new owner or operator provided that the permittee notifies the Director by requesting a minor modification of the permit before the date of transfer.
5. Any person violating any provision of the Waste Water Reuse Permit Regulations, or any permit or order issued thereunder shall be liable for a civil penalty not to exceed ten thousand dollars (\$10,000) or one thousand dollars (\$1,000) for each day of a continuing violation, whichever is greater. In addition, pursuant to Title 39, Chapter 1, Idaho Code, any willful or negligent violation may constitute a misdemeanor.
6. The Director may revoke a permit if the permittee violates any permit condition or the Wastewater Reuse Permit Regulations.
7. Except in cases of emergency, the Director shall issue a written notice of intent to revoke to the permittee prior to final revocation. Revocation shall become final within thirty-five (35) days of receipt of the notice by the permittee, unless within that time the permittee request an administrative hearing in writing to the Board of the Department of Environmental Quality pursuant to the Rules of Administrative Procedures contained in IDAPA 58.01.23.
8. If, pursuant to Idaho Code § 67-5247, the Director finds the public health, safety or welfare requires emergency action, the Director shall incorporate findings in support of such action in a written notice of emergency revocation issued to the permittee. Emergency revocation shall be effective upon receipt by the permittee. Thereafter, if requested by the permittee in writing, a revocation hearing before the Board of the Department of Environmental Quality shall be provided. Such hearings shall be conducted in accordance with the Rules of Administrative Procedures contained in IDAPA 58.01.23.
9. The provisions of this permit are severable and if a provision or its application is declared invalid or unenforceable for any reason, that declaration will not affect the validity or enforceability of the remaining provisions.
10. The permittee shall notify the DEQ at least six (6) months prior to permanently removing any permitted reuse facility from service, including any treatment, storage, or other facilities or equipment associated with the reuse site. Prior to commencing closure activities, the permittee shall: a) participate in a pre-site closure meeting with the DEQ; b) develop a site closure plan that identifies specific closure, site characterization, or cleanup tasks with scheduled task completion dates in accordance with agreements made at the pre-site closure meeting; and c) submit the completed site closure plan to the DEQ for review and approval within forty-five (45) days of the pre-site closure meeting. The permittee must complete the DEQ approved site closure plan.

Appendix 1
Environmental Monitoring Serial Numbers

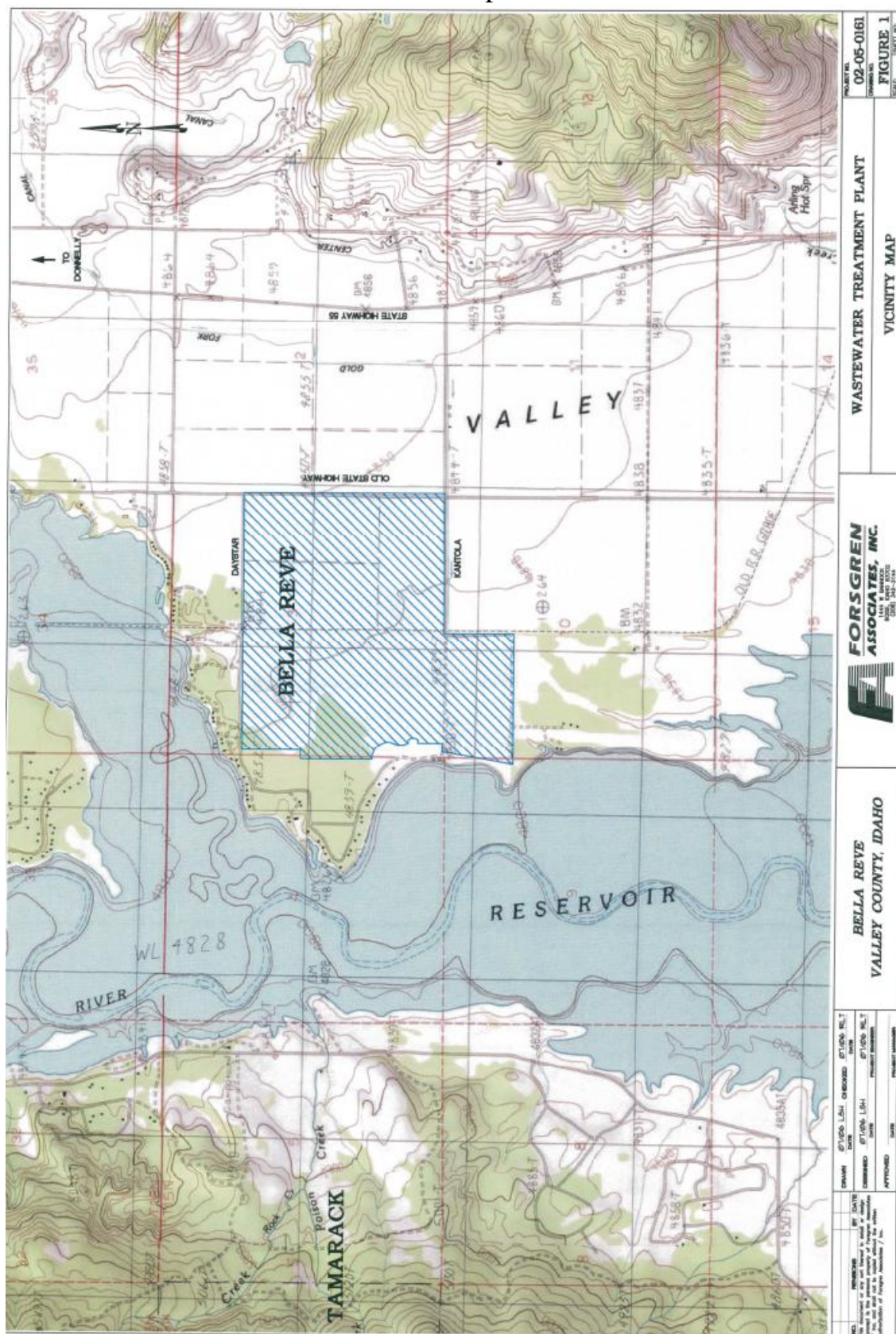
WASTEWATER SAMPLING POINTS

Serial Number	Description
WW-1	Following final filtration and prior to disinfection.
WW-2	Point of Compliance: following disinfection and prior to discharge to the groundwater recharge basin.
WW-3	Irrigation Pump: following the groundwater recharge basin, monitoring point should include canal and reuse water.

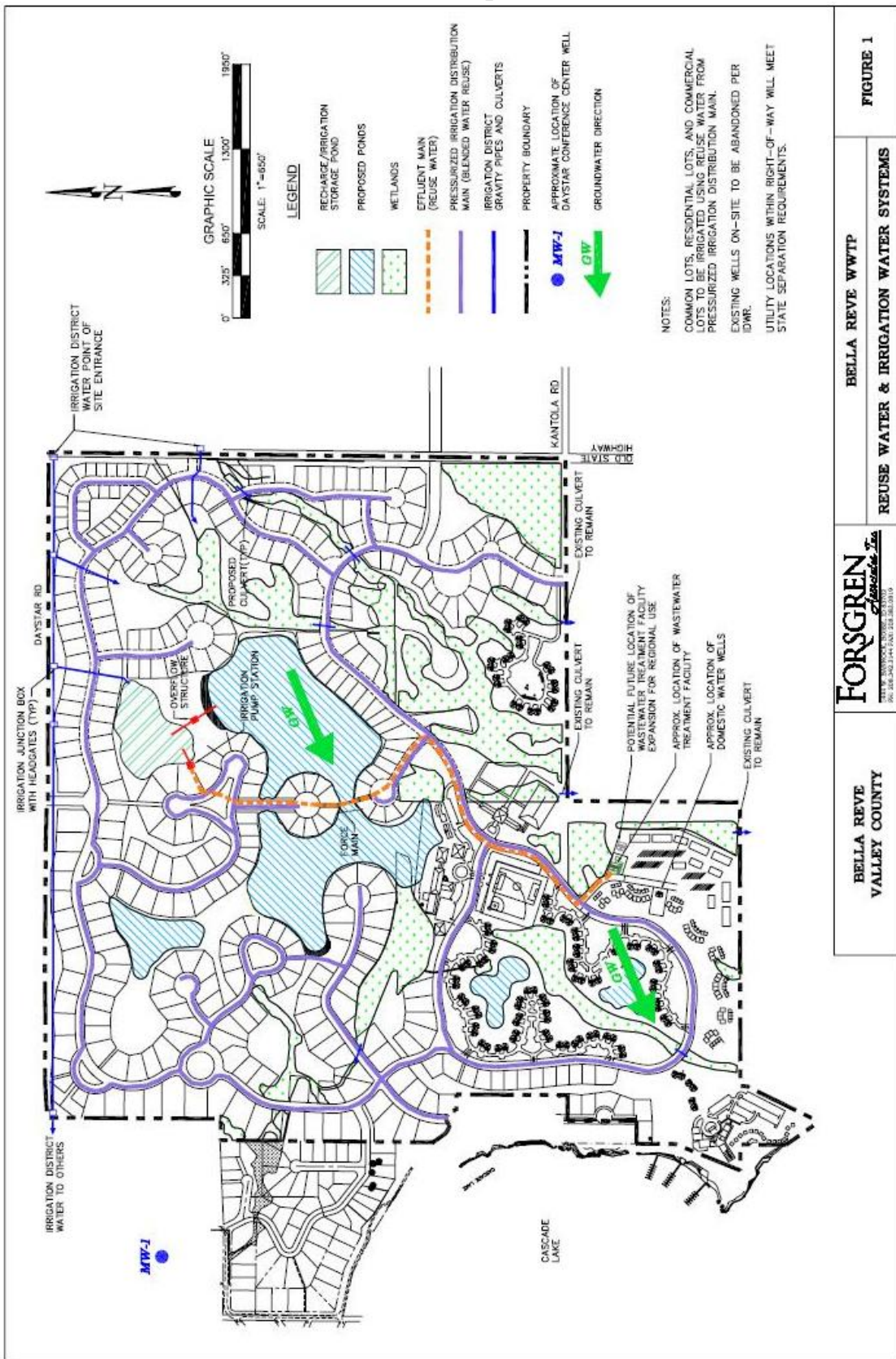
GROUNDWATER SAMPLING POINTS

Serial Number	Description
MW-1	The downgradient well currently registered to Daystar Conference Center, and referred to as Well 14 in the application materials.

Site Maps



Site Maps



Appendix 2
Site Maps

